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PATENT

**TRANSMITTAL LETTER TO THE U.S. DESIGNATED OFFICE (DO/US)--
ENTRY INTO THE U.S. NATIONAL STAGE UNDER CHAPTER I**

INTERNATIONAL APPLICATION NO. PCT/CN01/00973	INTERNATIONAL FILING DATE 15 JUNE 2001	PRIORITY DATE CLAIMED 15 JUNE 2000
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TITLE OF INVENTION

FULLY VULCANIZED THERMOPLASTIC POWDERY SILICONE RUBBER,
PREPARATION AND USE THEREOF

APPLICANT(S)

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00140

PATENT TRADEMARK OFFICE

PRELIMINARY AMENDMENT

Please amend the above identified application as follows:

3. (Amended) The fully vulcanized powdery silicone rubber according to claim 1, characterized in that the fully vulcanized powdery silicone rubber has a gel content of at least 60% by weight, preferably at least 75% by weight.

CERTIFICATION UNDER 37 C.F.R. 1.10*

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4. (Amended) The fully vulcanized powdery silicone rubber according to claim 1, characterized in that the fully vulcanized powdery silicone rubber particle has a homogeneous structure.

5. (Amended) A process for preparing the fully vulcanized powdery silicone rubber, which comprises vulcanizing a corresponding feed silicone rubber by means of irradiation.

6. (Amended) The process according to claim 5, characterized in that latex of organosilicon polymer or copolymer having lower molecular weight is used as the feed silicone rubber and irradiated with a high-energy source in the presence or absence of a crosslinking agent, and the fully vulcanized powdery rubber is obtained by drying after the irradiation.

10. (Amended) The process according to claim 6, characterized in that a crosslinking agent is added during the irradiation, and is selected from monofunctional, difunctional, trifunctional, tetrafunctional and multifunctional crosslinking agent, and any combination thereof.

12. (Amended) The process according to claim 10, characterized in that the amount of the crosslinking agent added is 0.1 to 10% by weight, preferably 0.5-7% by weight, more preferably 0.7-5% by weight, based on the solid content of latex of organosilicon polymer or copolymer having lower molecular weight.

13. (Amended) The process according to claim 6, characterized in that drying is

carried out by spray drying with a spray dryer or by precipitation drying method, preferably spray drying.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'W. R. Evans', written over a horizontal line.

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3. (Amended) The fully vulcanized powdery silicone rubber according to claim 1 [or 2], characterized in that the fully vulcanized powdery silicone rubber has a gel content of at least 60% by weight, preferably at least 75% by weight.

4. (Amended) The fully vulcanized powdery silicone rubber according to [any one of] claim[s] 1 [to 3], characterized in that the fully vulcanized powdery silicone rubber particle has a homogeneous structure.

5. (Amended) A process for preparing the fully vulcanized powdery silicone rubber, which comprises vulcanizing a corresponding feed [latex of organosilicon polymer or copolymer] silicone rubber by means of irradiation.

6. (Amended) The process according to claim 5, characterized in that latex of organosilicon polymer of copolymer having lower molecular weight is used as the feed [latex] silicone rubber and irradiated with a high-energy source in the presence or absence of a crosslinking agent, and the fully vulcanized powdery rubber is obtained by drying after the irradiation.

10. (Amended) The process according to [any one of] claim[s] [to 9], characterized in that a crosslinking agent is added during the irradiation, and is selected from monofunctional, difunctional, trifunctional, tetrafunctional and multifunctional crosslinking agent, and any combination thereof.

12. (Amended) The process according to claim 10 [or 11], characterized in that the amount of the crosslinking agent added is 0.1 to 10% by weight, preferably 0.5-7% by weight, more preferably 0.7-5% by weight, based on the solid content of latex of organosilicon polymer or copolymer having lower molecular weight.

13. (Amended) The process according to [any one of] claim[s] 6 [to 12], characterized in that drying is carried out by spray drying with a spray dryer or by precipitation drying method, preferably spray drying.